

## CLAIMS

We claim:

1. In a networked teaching and learning system having a plurality of student computers, each having an input device and a screen, and having at least one teacher's computer including an input device and a screen, the networked system  
5 further comprising:

at least one data storage server for storage of lessons, said lessons including exercises having URL's, questions and multi-character answers,

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10 a response server in communication with the student computers for processing student responses; and

Web browsers on the teacher's computer and the student computers for communicating through a Web server in response to URL's received from the teacher and student computers;

15 wherein a teacher's computer and the students' computers include program instructions responsive to inputs to cause an exercise, including a Web page relating to a URL, to be displayed on the screen of at least one of the student computers;

20 wherein the student computer includes program instructions for displaying the Web page by referring to the URL received with the question, and for immediately transmitting each character resulting from an input on the student computer, to the response server; and

25 further comprising comparison and evaluation logic for comparison and evaluation of the character with a homologous character of at least one answer to the question; and

30 wherein the teacher's computer includes program instructions for the teacher's screen to be contemporaneously responsive to the character from the student keystroke and to the result of the comparison and evaluation.

2. The system of claim 1, wherein the teacher and the students communicate through with the Internet.

3. The system of claim 1, wherein the teacher and the students communicate through an Intranet.

4. The system of claim 1, wherein the instructions for causing display of an exercise on the student's computer are executed by the teacher's computer in response to inputs from the teacher, and wherein the exercise is displayed on the plurality of student computers.

5. The system of claim 4, wherein the teacher's computer includes program instructions for selecting a student response on a screen for display on the student computers.

6. The system of claim 4, wherein the teacher's computer is immediately responsive to the aggregate of correct and incorrect student responses.

7. The system of claim 1, wherein the teacher's computer includes program instructions responsive to teacher inputs to cause a Web page to be previewed on the screen of teacher's computer by retrieval from the data storage server.

8. The system of claim 1, wherein the screen of the teacher's computer is immediately responsive to a Web link selected on the screen of the student computer.

9. The system of claim 1, wherein the instructions for causing display of the exercise on the student's computer are executed by the student's computer in response to inputs from the student.

10. The system of claim 1, wherein the teacher computer includes program instructions for selecting a student response on the teacher's screen for display on a Class Display working in combination with additional memory.

11. The system of claim 1, wherein the teacher's computer includes program instructions for selecting a student response on the screen of the teacher's computer and subjectively modifying the score resulting from operation of the comparison and evaluation logic on response data received from at least one of the plurality of student computers.

12. The system of claim 1, wherein the plurality of student computers are immediately responsive to the result of the comparison and evaluation logic through a feedback signal receivable at each of the plurality of student computers.

13. The system of claim 1, wherein the student computers display a window displaying at least one Web page and a question concerning the Web page.

14. The system of claim 1, wherein at least one of the plurality of student computers has a screen which displays a separate response text box and an explanation text box; and wherein the comparison and evaluation logic is responsive to inputs to the two respective text boxes to distinguish between inputs to the respective text boxes.

15. The system of claim 1, wherein the teacher's computer includes program instructions responsive to teacher inputs to cause a Wait mode message to be sent to at least one student computer to block access to the response server.

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16. The system of claim 1, wherein  
the teacher's computer and the plurality of student  
computers use respective Web browsers and communicate with at  
least one Web server; and

wherein the program instructions on the student computers  
and the teacher's computer are provided by respective Web  
browsers.

17. The system of claim 16, wherein the screen of the  
teacher's computer is immediately responsive to a Web link  
selected on the screen of the student computer.

18. A method of online teaching of a plurality of  
students an exercise relating to a Web site, including the  
steps of:

communicating a URL for the Web site to each of the  
plurality of students;

displaying the Web page from the Web site to each of a  
plurality of students;

communicating the student multi-character responses as  
they are formed, character-by-character, to a database; and

displaying to the teacher the responses from the  
plurality of students from the database character-by-  
character as each character is received in the database.

19. The method of claim 18, wherein the teacher  
initiates the communication of the URL to the multiplicity of  
students, and the Web page of the Web site is simultaneously  
displayed to the teacher and the students.

20. The method of claim 18, wherein the exercise includes a question and a multi-character correct answer and the question is communicated with the URL to each of the plurality of students; and

wherein the student responses are compared and evaluated against the correct answer, and where the appearance of each response to the teacher is associated with the correctness of the response.

21. The method of claim 20, wherein the correctness of a response can be overridden by the teacher pointing to the response and arbitrarily assigning a score to the response using a dialog box.

22. The method of claim 20, wherein the exercise includes a question and a multi-character correct answer and the question is communicated with the URL to each of the multiplicity of students, and where the student responses are compared and evaluated against the correct answer, and where the student receives a feedback signal immediately on insertion of a character of a correct response.

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23. In a networked teaching and learning system having a plurality of student computers, each having an input device and a screen, and having at least one teacher's computer including an input device and a screen, the networked system further comprising:

Web browsers on the teacher's computer and the student computers for communicating in response to URL's received from the teacher and student computers;

a Web server at a Web site for communicating with the Web browsers of the student computers and the teacher's computers;

wherein the teacher's computer includes program instructions responsive to teacher inputs to cause a Web page relating to a URL, to be displayed on the teacher's screen and to further cause the URL to be transmitted to each of the student computers;

wherein the student computers include program instructions for displaying the Web page in response to receiving a corresponding URL; and

wherein the teacher's computer includes program instructions for creation of an indicator on the Web page on the teacher's screen which copies to the same positions on the corresponding Web pages on the screens of the student computers.

24. The system of claim 23, wherein the teacher and the students communicate through with the Internet.

25. The system of claim 23, wherein the teacher and the students communicate through an Intranet.

26. In a networked teaching and learning system having a plurality of student computers, each having an input device and a screen, and having at least one teacher's computer including an input device and a screen, the networked system further comprising:

a Web server at a Web site for publishing Web pages;

wherein the teacher's computer includes program instructions for importing Web pages from a file system, placing them in a location on the file system of the Web server, and generating the URL for the location; and

wherein the student computers include program instructions for displaying the Web page by selecting the URL.

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27. In a networked teaching and learning system having a plurality of student computers, each having an input device and a screen, and having at least one teacher's computer including an input device and a screen, the networked system further comprising:

at least one data storage server for storage of lessons, said lessons including exercises having questions and multi-character answers;

a response server in communication with the student computers for processing student responses;

Web browsers on the teacher's computer and the student computers for communicating through a Web server in response to URL's received from the teacher and student computers;

wherein the Web browsers on the teacher's computer and the student computers includes program instructions responsive to inputs to cause an exercise to be displayed on the screen of at least one of the student computers;

wherein Web browser on the student computer includes program instructions for immediately transmitting each character resulting from an input on the student computer, to the response server; and

further comprising comparison and evaluation logic for comparison and evaluation of the character with a homologous character of at least one answer to the question; and

wherein the Web browser on the teacher's computer includes program instructions for the teacher's screen to be contemporaneously responsive to the character from the student keystroke and to the result of the comparison and evaluation.



28. The system of claim 27, wherein the teacher and the students communicate through with the Internet.

29. The system of claim 27, wherein the teacher and the students communicate through an Intranet.

30. The system of claim 27, wherein the instructions for causing display of an exercise on the student's computer are executed by the teacher's computer in response to inputs from the teacher, and wherein the exercise is displayed on the plurality of student computers.

31. The system of claim 27, wherein the teacher's computer includes program instructions for selecting a student response on a screen for display on the student computers.

32. The system of claim 30, wherein the teacher's computer is immediately responsive to the aggregate of correct and incorrect student responses.

33. The system of claim 27, wherein the instructions for causing display of the exercise on the student's computer are executed by the student's computer in response to inputs from the student.

34. The system of claim 27, wherein the teacher's computer includes program instructions for selecting a student response on the screen of the teacher's computer and subjectively modifying the score resulting from operation of the comparison and evaluation logic on response data received from at least one of the plurality of student computers.

35. The system of claim 27, wherein the plurality of student computers are immediately responsive to the result of the comparison and evaluation logic through a feedback signal receivable at each of the plurality of student computers.

36. The system of claim 27, wherein the student computers display a window displaying at least one Web page and a question concerning the Web page.

37. The system of claim 27, wherein the teacher's computer includes program instructions responsive to teacher inputs to cause a Wait mode message to be sent to at least one student computer to block access to the response server.

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